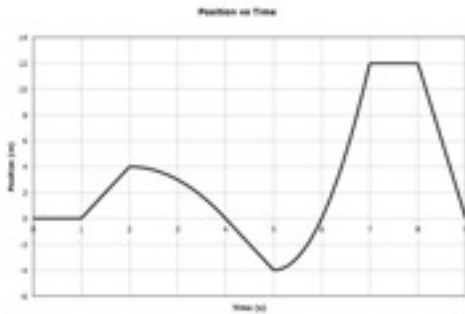


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Additional review questions:
Position/Velocity/Acceleration vs Time
Practice



1) During which intervals is the acceleration zero?

2) Is the final position positive or negative?

3) When is the velocity negative while the position is positive?

4) When is the maximum speed achieved?

7) When is the acceleration zero?

8) When is the acceleration positive?

9) When is the velocity positive?

10) How much force is needed to make a 150kg object accelerate at a rate of 1 m/s^2 ?

11) How much does a 50 kg person weigh if the acceleration due to gravity is 9.8 m/s^2 ?

12) What is the mass of a car that weighs 140,000 N?

13) What is the acceleration of a 150 kg object when 1,500 N is applied?

14) Calculate Dave's acceleration knowing that in a race he starts from rest and reaches a speed of 15.3 m/s in 4.71 s .

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15)

17) A force pair can be described using a statement including:

Identify at least 2 force pairs in the pictures above



16)
Identify at least 2 force pairs in the picture above